

Title (en)

Incorporation of pyridoxal phosphate in dry analytical elements for the determination of enzymes.

Title (de)

Bindung von Pyridoxalphosphat in trockene analytische Elemente für den Nachweis von Enzymen.

Title (fr)

Incorporation de pyridoxal phosphate dans un agent analytique sec pour la détermination des enzymes.

Publication

EP 0085954 A2 19830817 (EN)

Application

EP 83101021 A 19830203

Priority

US 34584482 A 19820204

Abstract (en)

Enzymes which are activated by pyridoxal phosphate are assayed in a dry analytical element which includes a high coverage of pyridoxal phosphate. The coverage of pyridoxal phosphate is such that the multiplication product of the coverage and the spreading coefficient of the element results in a reagent mixture concentration of at least about 0.9 mmole per liter when a liquid sample is contacted with the element. This coverage eliminates the need for preincubation of the sample with a solution containing pyridoxal phosphate. The reactions for the determination of the enzymes are initiated by contact of the dry elements with a liquid sample.

IPC 1-7

C12Q 1/48

IPC 8 full level

C12Q 1/00 (2006.01); **C12Q 1/48** (2006.01); **C12Q 1/52** (2006.01); **G01N 33/50** (2006.01)

CPC (source: EP US)

C12Q 1/48 (2013.01 - EP US); **Y10S 435/805** (2013.01 - EP US)

Cited by

EP0379936A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0085954 A2 19830817; **EP 0085954 A3 19850417**; **EP 0085954 B1 19870729**; CA 1182726 A 19850219; DE 3372787 D1 19870903; JP H0249718 B2 19901031; JP S58155100 A 19830914; US 4450232 A 19840522

DOCDB simple family (application)

EP 83101021 A 19830203; CA 420478 A 19830128; DE 3372787 T 19830203; JP 1635683 A 19830204; US 34584482 A 19820204